

HAND-HELD LASER WELDING WAND REFLECTION SHIELD

ABSTRACT OF THE DISCLOSURE

A hand-held laser welding wand includes a reflection shield that reflects laser light that is reflected off a work piece surface away from the hand of a user of the hand-held laser welding wand. The shield also reflects the thermal radiation transmitted from the work piece toward the wand during the weld process. This will help guard against a user of the wand absorbing laser light that may be reflected off the work piece, as well as significantly reduce any heat that might be transferred to the wand as a result of the reflected laser light.